# PRODUCT CHANGE NOTICE

## Alternate Bond Wire Material for Assembly of the Listed Intersil DFN/QFN Packaged Products

Refer to: PCN13005

Date: January 23, 2013

**intersil** SIMPLY SMARTER<sup>®</sup>

January 23, 2013

#### To: Our Valued Intersil Customer

#### Subject: Alternate Bond Wire Material for Assembly of the Listed Intersil DFN/QFN Packaged Products – Carsem (CAS) Ipoh, Malaysia

This notice is to inform you that Intersil has qualified copper bond wire as an alternate to the gold bond wire currently used for assembly of the listed DFN/QFN (Dual/Quad Flat No-lead) packaged products at the Carsem (CAS) facility located in Ipoh, Malaysia. The advantages of copper bond wire include improved electrical conductivity of the wire, slower intermetallic growth, reduced wire sweep and equivalent reliability performance. This action will expand current capabilities and capacities to optimize Intersil's ability to meet customer's delivery requirements. As of this notice, all product and package specific qualification activities are complete.

The Carsem (CAS) facility is ISO 9001:2008 and ISO/TS 16949:2009 certified and qualified as a supplier to Intersil for assembly of DFN/QFN packaged products with both copper and gold bond wire material. Products assembled with copper bond wire are classified as moisture sensitivity level three (MSL 3 at 260 °C per J-STD-020). As such, the listed products will be packed, labeled, and shipped as moisture sensitivity level three (MSL 3) upon implementation of the changes outlined in this PCN.

The qualification plan for copper bond wire assembly is designed using JEDEC and other applicable industry standards to confirm there is no impact to form, fit, function, or interchangeability of the product. A summary of the copper bond wire assembly qualification results is included for reference. The remainder of the manufacturing operations (wafer fabrication, package level electrical testing, shipment, etc.) will continue to be processed to previously established conditions and systems.

Products affected by this change that are assembled using either gold or copper bond wire material are identifiable via Intersil's internal traceability system and by the assembly site code (country of assembly) when marked on the devices. The site code for product assembled at CAS with copper bond wire is "X". The site code for product assembled at CAS with gold bond wire is "F".

Intersil will take all necessary actions to conform to agreed upon customer requirements and to ensure the continued high quality and reliability of products being supplied. Customers may expect to receive product assembled using either gold or copper bond wire beginning *ninety* days from the date of this notification or earlier with approval.

If you have concerns with this change notice, Intersil must hear from you promptly. Please contact the nearest Intersil Sales Office or call the Intersil Corporate line at 1-888-468-3774, in the United States, or 1-321-724-7143 outside of the United States.

Regards,

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Jon Brewster Intersil Corporation

PCN13005

CC: J. Touvell D. Decrosta D. Foster D. Singh S. Nadarajah R. Pitts G. Liang P. Bianco



### PCN13005 – Products Affected

ISL23345TFR2-T7A ISL23448WFR2-T7A ISL80112IRAJZ ISL89167FRTAZ-T   ISL23345TFR2-TK ISL23448WFRZ-TK ISL80112IRAJZ-T ISL89168FRTAZ   ISL23345UFRZ ISL3001IRT2Z ISL80112IRAJZ-TA ISL89168FRTAZ   ISL23345UFRZ-TK ISL3001IRT2Z-T ISL80113IRAJZ ISL89367FRTAZ-T   ISL23345UFRZ-TA ISL3002IRT2Z-T ISL80113IRAJZ-T ISL97671AIRZ-T   ISL23345WFRZ ISL3003IRT2Z ISL89160FRTAZ ISL97671AIRZ-T   ISL23345WFRZ-TA ISL3003IRT2Z-T ISL89160FRTAZ ISL97671AIRZ-T   ISL23345WFRZ-TA ISL55119IRTZ ISL89160FRTAZ ISL97671AIRZ-TRS533   ISL23348UFRZ-TA ISL5119IRTZ-TK ISL89160FRTBZ-T ISL97671IRZ-TK   ISL2348UFRZ-TA ISL6146AFRZ-TA ISL89161FRTAZ ISL97671IRZ-TK   ISL2348UFRZ-TK ISL6146AFRZ-TA ISL89161FRTBZ-T ISL97671IRZ-TK   ISL2348UFRZ-TK ISL6146BFRZ-TA ISL89161FRTBZ-T ISL97672AIRZ-T   ISL2348WFRZ-TK ISL6146BFRZ-TA ISL89162FRTBZ-T ISL97672AIRZ-T   ISL2348WFRZ-TK ISL6146BFRZ-TA ISL89162FRTBZ-T ISL9767	ISL23345TFRZ	ISL23448WFRZ	ISL80111IRAJZ-T7A	ISL89167FRTAZ	
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ISL23348UFRZ-T7AISL6146AFRZ-T7AISL89161FRTBZISL97672AIRZISL23348UFRZ-TKISL6146AFRZ-TKISL89161FRTBZ-TISL97672AIRZ-TISL23348WFRZISL6146BFRZISL89162FRTAZISL97672AIRZ-TKISL23348WFRZ-T7AISL6146BFRZ-TISL89162FRTAZ-TISL97672BIRZISL23348WFRZ-TKISL6146BFRZ-T7AISL89162FRTBZISL97672BIRZISL23445TFRZISL6146BFRZ-TKISL89162FRTBZISL97673IRZ-TISL23445TFRZ-T7AISL6146CFRZISL89164FRTAZISL97673IRZ-TISL23445TFRZ-TKISL6146CFRZ-TTAISL89164FRTAZISL97673IRZ-TKISL23445UFRZISL6146CFRZ-TAISL89164FRTBZISL97673IRZ-TKISL23445UFRZISL6146CFRZ-TAISL89164FRTBZISL97674IRZISL23445UFRZ-TAISL6146CFRZ-TKISL89164FRTBZISL97674IRZ-TKISL23445UFRZISL6146DFRZ-TKISL89164FRTCZISL97675IRZ-TKISL23445WFRZISL6146DFRZ-TAISL89165FRTAZISL97675IRZ-TKISL23445WFRZ-TKISL6146DFRZ-TKISL89165FRTBZISL97676IRZ-TKISL23448TFRZ-TAISL6146EFRZ-TAISL89165FRTBZISL97676IRZ-TKISL23448TFRZ-TAISL6146EFRZ-TAISL89165FRTBZ-TISL97676IRZ-TKISL23448TFRZ-TKISL6146EFRZ-TAISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZ-TKISL6146EFRZ-TAISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZ-TAISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZ-TAISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZ-TAI	ISL23348TFRZ-TK	ISL6146AFRZ	ISL89161FRTAZ	ISL97671IRZ-T	
ISL23348UFRZ-TKISL6146AFRZ-TKISL89161FRTBZ-TISL97672AIRZ-TISL23348WFRZISL6146BFRZISL89162FRTAZISL97672AIRZ-TKISL23348WFRZ-T7AISL6146BFRZ-TISL89162FRTAZ-TISL97672BIRZISL23348WFRZ-TKISL6146BFRZ-TAISL89162FRTBZISL97672BIRZ-TISL23445TFRZISL6146BFRZ-TKISL89162FRTBZ-TISL97673IRZ-TISL23445TFRZ-T7AISL6146CFRZISL89164FRTAZISL97673IRZ-TISL23445TFRZ-TKISL6146CFRZ-TISL89164FRTAZISL97673IRZ-TKISL23445UFRZISL6146CFRZ-TAISL89164FRTBZISL97673IRZ-TKISL23445UFRZISL6146CFRZ-TKISL89164FRTBZ-TISL97674IRZ-TKISL23445UFRZ-TKISL6146CFRZ-TKISL89164FRTBZ-TISL97674IRZ-TKISL23445UFRZ-TKISL6146DFRZ-TISL89164FRTCZ-TISL97675IRZ-TKISL23445WFRZ-TKISL6146DFRZ-TISL89165FRTAZISL97675IRZ-TKISL23445WFRZ-TKISL6146DFRZ-TKISL89165FRTAZ-TISL97676IRZ-TKISL23448TFRZ-TAISL6146EFRZ-TAISL89165FRTBZISL97676IRZ-TKISL23448TFRZ-TAISL6146EFRZ-TAISL89165FRTBZ-TISL97676IRZ-TKISL23448TFRZ-TKISL6146EFRZ-TAISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZ-TKISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZ-TAISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZ-TAISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZ-TAISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL2344	ISL23348UFRZ	ISL6146AFRZ-T	ISL89161FRTAZ-T	ISL97671IRZ-TK	
ISL23348WFRZISL6146BFRZISL89162FRTAZISL97672AIRZ-TKISL23348WFRZ-T7AISL6146BFRZ-TISL89162FRTAZ-TISL97672BIRZISL23348WFRZ-TKISL6146BFRZ-T7AISL89162FRTBZISL97672BIRZ-TISL23445TFRZISL6146BFRZ-TKISL89162FRTBZ-TISL97673IRZISL23445TFRZ-T7AISL6146CFRZISL89164FRTAZISL97673IRZ-TISL23445TFRZ-TKISL6146CFRZ-TISL89164FRTAZISL97673IRZ-TKISL23445TFRZ-TKISL6146CFRZ-TAISL89164FRTAZISL97673IRZ-TKISL23445UFRZISL6146CFRZ-TAISL89164FRTBZISL97674IRZISL23445UFRZISL6146CFRZ-TKISL89164FRTBZISL97674IRZ-TKISL23445UFRZ-TKISL6146CFRZ-TKISL89164FRTCZISL97674IRZ-TKISL23445WFRZISL6146DFRZISL89164FRTCZISL97675IRZISL23445WFRZISL6146DFRZ-TAISL89165FRTAZISL97675IRZ-TKISL23445WFRZ-TAISL6146DFRZ-TAISL89165FRTAZISL97675IRZ-TKISL23445WFRZ-TAISL6146DFRZ-TKISL89165FRTBZISL97676IRZISL23448TFRZ-TAISL6146EFRZ-TAISL89165FRTBZISL97676IRZISL23448TFRZ-TAISL6146EFRZ-TAISL89165FRTBZ-TISL97676IRZ-TKISL23448TFRZ-TKISL6146EFRZ-TAISL89165FRTCZISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZ-TAISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZ-TAISL80111IRAJZISL89166FRTAZISL97676IRZ-TK	ISL23348UFRZ-T7A	ISL6146AFRZ-T7A	ISL89161FRTBZ	ISL97672AIRZ	
ISL23348WFRZ-T7AISL6146BFRZ-TISL89162FRTAZ-TISL97672BIRZISL23348WFRZ-TKISL6146BFRZ-T7AISL89162FRTBZISL97672BIRZ-TISL23445TFRZISL6146BFRZ-TKISL89162FRTBZ-TISL97673IRZISL23445TFRZ-T7AISL6146CFRZISL89164FRTAZISL97673IRZ-TISL23445TFRZ-TKISL6146CFRZ-TISL89164FRTAZISL97673IRZ-TKISL23445UFRZISL6146CFRZ-TAISL89164FRTBZISL97673IRZ-TKISL23445UFRZISL6146CFRZ-TAISL89164FRTBZ-TISL97674IRZ-TKISL23445UFRZ-TKISL6146CFRZ-TKISL89164FRTBZ-TISL97674IRZ-TKISL23445UFRZ-TKISL6146DFRZISL89164FRTCZISL97674IRZ-TKISL23445WFRZ-TKISL6146DFRZ-TAISL89164FRTCZISL97675IRZISL23445WFRZ-TKISL6146DFRZ-TAISL89165FRTAZISL97675IRZ-TKISL23445WFRZ-TKISL6146DFRZ-TKISL89165FRTAZISL97675IRZ-TKISL23445WFRZ-TKISL6146DFRZ-TKISL89165FRTBZISL97676IRZ-TKISL23448TFRZISL6146EFRZ-TAISL89165FRTBZISL97676IRZ-TKISL23448TFRZ-TKISL6146EFRZ-TAISL89165FRTBZ-TISL97676IRZ-TISL23448TFRZ-TKISL6146EFRZ-TAISL89165FRTCZISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZ-TAISL80111IRAJZISL89166FRTAZISL89166FRTAZ	ISL23348UFRZ-TK	ISL6146AFRZ-TK	ISL89161FRTBZ-T	ISL97672AIRZ-T	
ISL23348WFRZ-TK ISL6146BFRZ-T7A ISL89162FRTBZ ISL97672BIRZ-T   ISL23445TFRZ ISL6146BFRZ-TK ISL89162FRTBZ-T ISL97673IRZ   ISL23445TFRZ ISL6146CFRZ ISL89164FRTAZ ISL97673IRZ-T   ISL23445TFRZ-TA ISL6146CFRZ ISL89164FRTAZ ISL97673IRZ-T   ISL23445TFRZ-TK ISL6146CFRZ-T ISL89164FRTAZ ISL97673IRZ-TK   ISL23445UFRZ ISL6146CFRZ-TA ISL89164FRTBZ ISL97674IRZ   ISL23445UFRZ-TA ISL6146CFRZ-TK ISL89164FRTBZ-T ISL97674IRZ-T   ISL23445UFRZ-TA ISL6146DFRZ-TK ISL89164FRTBZ-T ISL97674IRZ-T   ISL23445UFRZ-TK ISL6146DFRZ-TK ISL89164FRTCZ ISL97674IRZ-TK   ISL23445WFRZ ISL6146DFRZ-TA ISL89164FRTCZ-T ISL97675IRZ   ISL23445WFRZ-TA ISL6146DFRZ-TA ISL89165FRTAZ ISL97675IRZ-TK   ISL23448TFRZ ISL6146DFRZ-TK ISL89165FRTBZ-T ISL97676IRZ   ISL23448TFRZ-TA ISL6146EFRZ-TA ISL89165FRTBZ-T ISL97676IRZ-TK   ISL23448TFRZ-TA ISL6146EFRZ-TA ISL89165FRTBZ-T ISL97676IRZ-TK	ISL23348WFRZ	ISL6146BFRZ	ISL89162FRTAZ	ISL97672AIRZ-TK	
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ISL23445TFRZ-T7AISL6146CFRZISL89164FRTAZISL97673IRZ-TISL23445TFRZ-TKISL6146CFRZ-TISL89164FRTAZ-TISL97673IRZ-TKISL23445UFRZISL6146CFRZ-TAISL89164FRTBZISL97674IRZISL23445UFRZ-TAISL6146CFRZ-TKISL89164FRTBZ-TISL97674IRZ-TISL23445UFRZ-TKISL6146DFRZISL89164FRTCZISL97674IRZ-TKISL23445WFRZISL6146DFRZISL89164FRTCZ-TISL97675IRZISL23445WFRZISL6146DFRZ-TAISL89165FRTAZISL97675IRZ-TISL23445WFRZ-TKISL6146DFRZ-TKISL89165FRTAZISL97675IRZ-TKISL23445WFRZ-TKISL6146DFRZ-TKISL89165FRTBZISL97676IRZ-TKISL23448TFRZISL6146EFRZISL89165FRTBZISL97676IRZ-TKISL23448TFRZ-TKISL6146EFRZ-TAISL89165FRTBZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKAISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TK <td< td=""><td>ISL23348WFRZ-TK</td><td>ISL6146BFRZ-T7A</td><td>ISL89162FRTBZ</td><td>ISL97672BIRZ-T</td></td<>	ISL23348WFRZ-TK	ISL6146BFRZ-T7A	ISL89162FRTBZ	ISL97672BIRZ-T	
ISL23445TFRZ-TKISL6146CFRZ-TISL89164FRTAZ-TISL97673IRZ-TKISL23445UFRZISL6146CFRZ-T7AISL89164FRTBZISL97674IRZISL23445UFRZISL6146CFRZ-TKISL89164FRTBZ-TISL97674IRZ-TISL23445UFRZ-TKISL6146DFRZISL89164FRTCZISL97674IRZ-TKISL23445WFRZISL6146DFRZ-TISL89164FRTCZ-TISL97675IRZISL23445WFRZ-T7AISL6146DFRZ-TAISL89165FRTAZISL97675IRZ-TISL23445WFRZ-TKISL6146DFRZ-TKISL89165FRTAZISL97675IRZ-TKISL23448TFRZISL6146EFRZISL89165FRTBZISL97676IRZISL23448TFRZ-TAISL6146EFRZ-TISL89165FRTBZISL97676IRZ-TISL23448TFRZ-TKISL6146EFRZ-TAISL89165FRTBZISL97676IRZ-TISL23448UFRZ-TKISL6146EFRZ-TAISL89165FRTCZISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TK	ISL23445TFRZ	ISL6146BFRZ-TK	ISL89162FRTBZ-T	ISL97673IRZ	
ISL23445UFRZISL6146CFRZ-T7AISL89164FRTBZISL97674IRZISL23445UFRZ-T7AISL6146CFRZ-TKISL89164FRTBZ-TISL97674IRZ-TISL23445UFRZ-TKISL6146DFRZISL89164FRTCZISL97674IRZ-TKISL23445WFRZISL6146DFRZ-TISL89164FRTCZ-TISL97675IRZISL23445WFRZ-T7AISL6146DFRZ-TAISL89165FRTAZISL97675IRZ-TISL23445WFRZ-TKISL6146DFRZ-TKISL89165FRTAZISL97675IRZ-TKISL23445WFRZ-TKISL6146DFRZ-TKISL89165FRTBZISL97676IRZ-TKISL23448TFRZISL6146EFRZISL89165FRTBZ-TISL97676IRZ-TISL23448TFRZ-TAISL6146EFRZ-TAISL89165FRTCZISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TK	ISL23445TFRZ-T7A	ISL6146CFRZ	ISL89164FRTAZ	ISL97673IRZ-T	
ISL23445UFRZ-T7A ISL6146CFRZ-TK ISL89164FRTBZ-T ISL97674IRZ-T   ISL23445UFRZ-TK ISL6146DFRZ ISL89164FRTCZ ISL97674IRZ-TK   ISL23445WFRZ ISL6146DFRZ-T ISL89164FRTCZ-T ISL97675IRZ   ISL23445WFRZ ISL6146DFRZ-TA ISL89165FRTAZ ISL97675IRZ   ISL23445WFRZ-TK ISL6146DFRZ-TA ISL89165FRTAZ ISL97675IRZ-TK   ISL23445WFRZ-TK ISL6146DFRZ-TK ISL89165FRTAZ-T ISL97675IRZ-TK   ISL23448TFRZ ISL6146EFRZ ISL89165FRTBZ ISL97676IRZ   ISL23448TFRZ-T7A ISL6146EFRZ-TA ISL89165FRTBZ-T ISL97676IRZ-TK   ISL23448TFRZ-TFA ISL6146EFRZ-TA ISL89165FRTBZ-T ISL97676IRZ-T   ISL23448TFRZ-TK ISL6146EFRZ-TA ISL89165FRTCZ ISL97676IRZ-TK   ISL23448UFRZ ISL6146EFRZ-TK ISL89165FRTCZ-T ISL97676IRZ-TK   ISL23448UFRZ ISL6146EFRZ-TK ISL89165FRTCZ-T ISL97676IRZ-TK   ISL23448UFRZ ISL6146EFRZ-TK ISL89165FRTCZ-T ISL97676IRZ-TK   ISL23448UFRZ ISL6146EFRZ-TK ISL89165FRTCZ-T ISL97676IRZ-TK	ISL23445TFRZ-TK	ISL6146CFRZ-T	ISL89164FRTAZ-T	ISL97673IRZ-TK	
ISL23445UFRZ-TKISL6146DFRZISL89164FRTCZISL97674IRZ-TKISL23445WFRZISL6146DFRZ-TISL89164FRTCZ-TISL97675IRZISL23445WFRZ-T7AISL6146DFRZ-T7AISL89165FRTAZISL97675IRZ-TISL23445WFRZ-TKISL6146DFRZ-TKISL89165FRTAZ-TISL97675IRZ-TKISL23448TFRZISL6146EFRZISL89165FRTBZISL97676IRZISL23448TFRZ-T7AISL6146EFRZ-TAISL89165FRTBZ-TISL97676IRZ-TISL23448TFRZ-TKISL6146EFRZ-TAISL89165FRTCZISL97676IRZ-TKISL23448TFRZ-TKISL6146EFRZ-TKISL89165FRTCZISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL80111IRAJZISL89166FRTAZISL89166FRTAZ	ISL23445UFRZ	ISL6146CFRZ-T7A	ISL89164FRTBZ	ISL97674IRZ	
ISL23445WFRZISL6146DFRZ-TISL89164FRTCZ-TISL97675IRZISL23445WFRZ-T7AISL6146DFRZ-T7AISL89165FRTAZISL97675IRZ-TISL23445WFRZ-TKISL6146DFRZ-TKISL89165FRTAZ-TISL97675IRZ-TKISL23448TFRZISL6146EFRZISL89165FRTBZISL97676IRZISL23448TFRZ-T7AISL6146EFRZ-TAISL89165FRTBZ-TISL97676IRZ-TISL23448TFRZ-TKISL6146EFRZ-T7AISL89165FRTCZISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZ-T7AISL80111IRAJZISL89166FRTAZISL89166FRTAZ	ISL23445UFRZ-T7A	ISL6146CFRZ-TK	ISL89164FRTBZ-T	ISL97674IRZ-T	
ISL23445WFRZ-T7AISL6146DFRZ-T7AISL89165FRTAZISL97675IRZ-TISL23445WFRZ-TKISL6146DFRZ-TKISL89165FRTAZ-TISL97675IRZ-TKISL23448TFRZISL6146EFRZISL89165FRTBZISL97676IRZISL23448TFRZ-T7AISL6146EFRZ-TISL89165FRTBZ-TISL97676IRZ-TISL23448TFRZ-TKISL6146EFRZ-T7AISL89165FRTCZISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TK	ISL23445UFRZ-TK	ISL6146DFRZ	ISL89164FRTCZ	ISL97674IRZ-TK	
ISL23445WFRZ-TKISL6146DFRZ-TKISL89165FRTAZ-TISL97675IRZ-TKISL23448TFRZISL6146EFRZISL89165FRTBZISL97676IRZISL23448TFRZ-T7AISL6146EFRZ-TISL89165FRTBZ-TISL97676IRZ-TISL23448TFRZ-TKISL6146EFRZ-T7AISL89165FRTCZISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZ-T7AISL80111IRAJZISL89166FRTAZISL89166FRTAZ	ISL23445WFRZ	ISL6146DFRZ-T	ISL89164FRTCZ-T	ISL97675IRZ	
ISL23448TFRZISL6146EFRZISL89165FRTBZISL97676IRZISL23448TFRZ-T7AISL6146EFRZ-TISL89165FRTBZ-TISL97676IRZ-TISL23448TFRZ-TKISL6146EFRZ-T7AISL89165FRTCZISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6146EFRZ-TKISL89165FRTCZ-TISL97676IRZ-TKISL23448UFRZISL6111IRAJZISL89166FRTAZISL89166FRTAZ	ISL23445WFRZ-T7A	ISL6146DFRZ-T7A	ISL89165FRTAZ	ISL97675IRZ-T	
ISL23448TFRZ-T7A ISL6146EFRZ-T ISL89165FRTBZ-T ISL97676IRZ-T   ISL23448TFRZ-TK ISL6146EFRZ-T7A ISL89165FRTCZ ISL97676IRZ-TK   ISL23448UFRZ ISL6146EFRZ-TK ISL89165FRTCZ-T ISL97676IRZ-TK   ISL23448UFRZ ISL6146EFRZ-TK ISL89165FRTCZ-T ISL97676IRZ-TK   ISL23448UFRZ ISL6146EFRZ-TK ISL89165FRTCZ-T ISL97676IRZ-TK	ISL23445WFRZ-TK	ISL6146DFRZ-TK	ISL89165FRTAZ-T	ISL97675IRZ-TK	
ISL23448TFRZ-TK ISL6146EFRZ-T7A ISL89165FRTCZ ISL97676IRZ-TK   ISL23448UFRZ ISL6146EFRZ-TK ISL89165FRTCZ-T ISL89165FRTCZ-T   ISL23448UFRZ-T7A ISL80111IRAJZ ISL89166FRTAZ ISL89166FRTAZ	ISL23448TFRZ	ISL6146EFRZ	ISL89165FRTBZ	ISL97676IRZ	
ISL23448UFRZ ISL80111IRAJZ ISL89165FRTCZ-T ISL23448UFRZ-T7A ISL80111IRAJZ ISL89166FRTAZ	ISL23448TFRZ-T7A	ISL6146EFRZ-T	ISL89165FRTBZ-T	ISL97676IRZ-T	
ISL23448UFRZ-T7A ISL80111IRAJZ ISL89166FRTAZ	ISL23448TFRZ-TK	ISL6146EFRZ-T7A	ISL89165FRTCZ	ISL97676IRZ-TK	
	ISL23448UFRZ	ISL6146EFRZ-TK	ISL89165FRTCZ-T		
ISL23448UFRZ-TK ISL80111IRAJZ-T ISL89166FRTAZ-T	ISL23448UFRZ-T7A	ISL80111IRAJZ	ISL89166FRTAZ		
	ISL23448UFRZ-TK	ISL80111IRAJZ-T	ISL89166FRTAZ-T		



## PCN13005 – CAS Reliability Qualification Summary

Device: ISL62883CHRTZ ( 40L 5x5 TQFN )									
Stress /	Dunation	Test lots			Control	ontrol			
Conditions	Duration	Lot #1	Lot #2	Lot #3	Lot	Result			
MSL Classification	L3	N = 22	N = 22	N = 22	N = 22	PASS			
	PBFree	Acc = 0	Acc = 0	Acc = 0	Acc = 0				
uHAST		N = 26	N = 26	N = 26	N = 78	PASS			
130C / 85% RH	96 Hrs	Acc = 0	Acc = 0	Acc = 0	Acc = 0				
Temp Cycle	500 сус	N = 80	N = 80	N = 80	N = 80	PASS			
-65C to +150C		Acc = 0	Acc = 0	Acc = 0	Acc = 0				
Device: ISL95870BHRZ ( 20L 3X4 QFN )									
Stress /	Duration		Test lots		Control	Desult			
Conditions	Duration	Lot #1	Lot #2	Lot #3	Lot	Result			
MSL Classification	L3	N = 22	N = 22	N = 22	N = 22	PASS			
	PBFree	Acc = 0	Acc = 0	Acc = 0	Acc = 0				
uHAST	00.11	N = 26	N = 26	N = 26	N = 78				
130C / 85% RH	96 Hrs	Acc = 0	Acc = 0	Acc = 0	Acc = 0	PASS			
Temp Cycle	500 cyc	N = 80	N = 80	N = 80	N = 80	PASS			
-65C to +150C		Acc = 0	Acc = 0	Acc = 0	Acc = 0				
Devic	e: ISL80	121IR5	50Z ( 10	)L 3X3	DFN)				
Stress /	Duration	Test lots		Control	Beault				
Conditions	Duration	Lot #1	Lot #2	Lot #3	Lot	Result			
MCL Classification	L3 PBFree	N = 22	N = 22	N = 22	N = 22	PASS			
MSL Classification		Acc = 0	Acc = 0	Acc = 0	Acc = 0				
uHAST	96 Hrs	N = 26	N = 26	N = 26	N = 78	DACC			
130C / 85% RH	96 HIS	Acc = 0	Acc = 0	Acc = 0	Acc = 0	PASS			
Temp Cycle	500 cyc	N = 80	N = 80	N = 80	N = 80	PASS			
-65C to +150C		Acc = 0	Acc = 0	Acc = 0	Acc = 0	FA33			
Device: ISL9492ERZ (28L 4X4 DFN)									
Stress / Duration	Test lots		Control	Result					
Conditions	Duration	Lot #1	Lot #2	Lot #3	Lot	Result			
MSL Classification	L3 PBFree	N = 22	N = 22	N = 22	N = 22	PASS			
		Acc = 0	Acc = 0	Acc = 0	Acc = 0				
uHAST	96 Hrs	N = 26	N = 26	N = 26	N = 78	PASS			
130C / 85% RH		Acc = 0	Acc = 0	Acc = 0	Acc = 0				
bHAST	96 Hrs	N = 78	NA	NA	NA	PASS			
130C / 85% RH	301115	Acc = 0				FAGO			
Temp Cycle	500 cyc	N = 80	N = 80	N = 80	N = 80	PASS			
Temp Oycie	500 0/0					PASS			

